

Applicant : Morten Memoe
Serial No. : To be assigned
Filed : July 28, 2006
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Attorney's Docket No.: 18879-023US1

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-49. (Canceled)

50. (New) A disposable, wearable medicine dispensing device comprising
- a housing;
 - means for attaching said housing to the skin of a user of said device,
 - a medicine container disposed in the housing;
 - a flexible piston rod having an outer thread pattern on at least a portion thereof, the piston rod being movable in a forward longitudinal direction to force medicine from the medicine container;
 - a ratchet wheel having an inner thread pattern on a central aperture to mate with the outer thread pattern of the flexible piston rod such that rotation of said ratchet wheel in a forward rotational direction displaces the flexible piston rod in the forward longitudinal direction;
 - a pivotable body disposed in the housing and adjustable between a forward position and a reset position, wherein adjustment of the pivotable body from the reset position to the forward position causes the ratchet wheel to rotate in said forward rotational direction;
 - a spring device to bias said pivotable body toward the forward position; and
 - an actuation system to controllably adjust the pivotable body toward the reset position, the actuation system comprising:
 - a thread member coupled to the pivotable body, and
 - a battery powered actuator coupled to the thread member so as to apply a tension force to the thread and thereby adjust the pivotable body.

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51. (New) The dispensing device of claim 50, further comprising a pawl member is disposed on a pivotable body.

52. (New) The dispensing device of claim 50, wherein the flexible piston rod comprises rod segments hinged together, the outer thread pattern being on at least a portion of the rod segments.

53. (New) The dispensing device of claim 52, wherein rod segments are connected by hinges that comprise integrally formed, bendable material.

54. (New) The dispensing device of claim 53, wherein the bendable material comprises a material selected from the group consisting of Nylon or POM.

55. (New) The dispensing device of claim 52, wherein the outer thread pattern is a discontinuous thread pattern.

56. (New) The dispensing device of claim 50, wherein the battery powered actuator is a solenoid.

57. (New) The dispensing device of claim 56, wherein the solenoid actuates is a linear motion to apply the tension force to the thread member.